



Press Release – 18.05.05

OGT Services and the WTCHG team up to develop *in situ* customised arrays

Researchers at the Wellcome Trust Centre for Human Genomics at the University of Oxford have teamed up with Oxford-based microarray specialists OGT Services to develop a method for *in situ* spotting of double-stranded DNA on microarray slides. The project began when Dr. Irina Udalova (now at the Kennedy Institute, London) and Dr. Ioannis Ragoussis, Head of Genomics at the Centre, started some pioneering work to establish binding profiles of human transcription factors using their in-house microarray system.

Dr Ragoussis explained: "This is ground-breaking work and the sequences in question are particularly long so we knew we would need a customised system. We also knew that OGT had the capability to synthesise long sequences directly on the slides and approached the Company to explore ways of applying the methodology to our project. They put a considerable amount of work into setting up and optimising the protocol for converting the synthesised single stranded oligonucleotides into double stranded DNA duplexes, which was essential for our project.

"In contrast to other companies, OGT has the flexibility to synthesise a small number of slides with a high number of diverse sequences that can change very rapidly. This is a big advantage because often during a research project you cannot predict what the final set of useful sequences is going to be. OGT has been excellent to work with, has responded to our requirements very rapidly, and has put a lot of work and effort into the statistical analyses of the results. Together we have had some very good results and I think we have all learned a lot from the effort put in from both sides."

OGT Services, The Hirsch Building,
Begbroke Business and Science Park,
Sandy Lane, Yarnton, Oxford, OX5 1PF UK
Tel: +44 (0) 1865 856 352 Fax: +44 (0) 1865 842 116
Email: services@ogt.co.uk www.ogt.co.uk

- copy ends -

© 2005 kdm communications limited

Editorial contact for further information or follow-up

Lorraine Sharrock at **kdm communications limited**, Milton Keynes, UK

Tel. +44 01908 371173 Fax: +44 01908 37117 email: ideas@kdm-communications.com